What is Claimed is:

- 1. A transparent polymeric composition having good impact strength, a high modulus, and good heat resistance, comprising:
- from 50% to 90% by weight of a thermoplastic matrix (I) with a refractive index n₁,
 wherein said matrix (I) is a homopolymer or a copolymer comprising at least one monomer unit selected from the group consisting of styrene, acrylonitrile, acrylic acid, and short-chain alkyl (meth)acrylates;
 - from 0 to 40% by weight of an impact additive (II) with a refractive index n_2 ; and
- from 10% to 50% by weight of a block copolymer (III) with a refractive index n₃; the difference between the refractive indices, taken two by two, being less than or equal to 0.01.
- 2. The composition of claim 1, wherein the block copolymer III conforms to the following general formula Y-B-Y', in which
 - B is an elastomer block which is thermodynamically incompatible with blocks Y and Y';
 - Y and Y' can be the same or different; wherein if Y is a block composed predominantly of styrene, then Y' is not a block composed predominantly of styrene;
- at least one of the two blocks Y and Y' is totally or partially compatible with the thermoplastic matrix (I).
 - 3. The composition of claim 2, wherein B comprises one or more monomer units selected from the group consisting of butadiene, isoprene, 2,3-dimethyl-1,3-butadiene, 1,3-pentadiene and 2-phenyl-1,3-butadiene.
 - 4. The composition of claim 3, wherein B comprises butadiene monomer units.
 - 5. The composition of claim 3, wherein B comprises isoprene monomer units.

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- 6. The composition of claim 2, wherein Y and Y' comprise at least one monomer unit selected from the group consisting of styrene and short-chain alkyl methacrylates.
- 7. The composition of claim 6, wherein Y is a block composed predominantly of styrene, and wherein Y' is a block composed predominantly of methyl methacrylate monomer units.
 - 8. The composition of claim 6, wherein Y and Y' are blocks composed predominantly of methyl methacrylate monomer units.
- 9. The composition of claim 7, wherein Y' comprises at least 60% of syndiotactic polymethyl methacrylate.

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- 10. The composition of claim 8, wherein Y and Y' each contain at least 60% of syndiotactic polymethyl methacrylate.
- 11. The composition of claim 1, wherein the amorphous matrix I comprises at least one monomer unit selected from the group consisting of styrene, acrylonitrile, acrylic acid, and short-chain alkyl (meth)acrylates.
- 12. The composition of claim 11, wherein I comprises a mixture composed of 0 to 55% by weight of styrene monomer units and from 45% to 100% by weight of methyl methacrylate monomer units.
- 13. The composition of claim 1, wherein the additive II is a core-shell copolymer comprising an elastomer core and a rigid shell which is compatible with the amorphous matrix I.
 - 14. An article comprising the composition of claim 1, wherein said article is formed by a melt state conversion selected from the group consisting of injection molding, extrusion and calendaring.
 - 15. The composition of claim 6, wherein Y and Y' comprise methyl methacrylate units.

16. The composition of claim 11, wherein the amorphous matrix I comprises methyl methacrylate monomer units.